

APPLICATION FOR THE CLEAN OHIO CONSERVATION FUND

9/27/01

SUMMARY SHEET

CB BAD

IMPORTANT: Please consult the "Instructions for Completing the Project Application" for assistance with this form.

APPLICANT: City of Forest Park **CODE #** 061- 27706

(If Unknown Call OPWC)

DISTRICT NUMBER: 2 **COUNTY:** Hamilton **DATE** 3/2 /03

CONTACT: Dave Buesking, Forest Park Stormwater Utility Director
PHONE # (513) 595-5258

(THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE DURING BUSINESS HOURS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

FAX: (513) 595-5285 **E-MAIL** daveb@forestpark.org

PROJECT NAME: Forest Park Riparian Corridor Restoration Project

ELIGIBLE APPLICANT

(Check Only 1)

- ☐ A. County (1)
☒ B. City (2)
☐ C. Township (3)
☐ D. Village(4)
☐ E. Conservancy District (6)
☐ F. Soil & Water
Conservation District (7)
☐ G. Joint Recreational District (8)
☐ H. Park District/Authority (9)
☐ I. Nonprofit Organization (10)
☐ J. Other _____ (11)

PROJECT TYPE

(Check Largest Component)

- ☐ A. Open Space (7)
☒ B. Riparian Corridor (8)

PRIMARY PROJECT EMPHASIS 18

(Choose a category from Attachment A which most closely describes your primary project emphasis.)

ESTIMATED TOTAL

CLEAN OHIO CONSERVATION

PROJECT COST (from 1.1f): \$ 167,500.00 **FUNDING REQUESTED:** (from 1.2e) \$125,625.00

NRAC APPROVAL - To be completed by the NRAC Committee ONLY

GRANT: \$ _____

FOR OPWC USE ONLY

PROJECT NUMBER: _____

APPROVED FUNDING: \$ _____

Local Participation _____ %

Project Release Date: _____

Clean Ohio Fund Participation _____ %

1.0 PROJECT FINANCIAL INFORMATION:

1.1 Project Estimated Costs

- (a.) Acquisition Expenses**
Enter land purchase and/or easement purchase acquisition costs. If there are other acquisition expenses, please define under "Other".
- (b.) Planning and Implementation**
Enter costs for planning such as appraisal fees, closing costs, title search, environmental assessments, and design. If there are additional planning and implementation costs not identified on the application, please define under "Other Eligible Costs".
- (c.) Construction or Enhancement of Facilities**
Enter estimated construction costs to be paid to contractors or to be completed with in-kind work (through your own employees/volunteers). These costs must be supported by and consistent with a detailed architect's or engineer's estimate.
- (d.) Permits, Advertising, and Legal**
Enter direct expenses for permit fees, advertising, and legal fees.
- (e.) Construction Contingencies**
Enter contingency amount indicated in your architect's or engineer's certified cost estimate (this amount should not exceed 10% of estimated construction costs).
- (f.) Total Estimated Costs**
Enter the total of items (a.) through (e.). Please round to the nearest dollar.

In- Kind Column

Indicate amount of work to be performed by your own employees. This could also include donated land, services and/or materials and volunteer labor. This should be supported by an architect's or engineer's estimate in compliance with the Ohio Revised Code.

Ineligible Costs - The following costs do not qualify for funding:

Projects shall not include hydromodification projects such as dams, dredging, sedimentation and bank clearing and shall not accelerate untreated water runoff or encourage invasive nonnative species.

Projects shall not include costs of planning or administrative services of a district NRAC, in reviewing, recording, approving, or disapproving project applications.

1.0 PROJECT FINANCIAL INFORMATION

1.1 PROJECT ESTIMATED COSTS: (Round to Nearest Dollar)

TOTAL DOLLARS

**In Kind
Dollars**

(See definition in instructions.)

a.)	Acquisition Expenses:	\$	<u>0.00</u>	
	Fee Simple Purchase	\$	<u>0.00</u>	
	Easement Purchase	\$	<u>0.00</u>	
	Other _____	\$	<u>0.00</u>	
b.)	Planning and Implementation:	\$	<u>20,000.00</u>	<u> </u>
	Appraisal	\$	<u>0.00</u>	
	Closing Costs	\$	<u>0.00</u>	
	Title Search	\$	<u>0.00</u>	
	Environmental Assessments	\$	<u>0.00</u>	
	Design	\$	<u>20,000.00</u>	
	Other Eligible Costs	\$	<u>0.00</u>	
c.)	Construction or Enhancement of Facilities:	\$	<u>125,000.00</u>	
d.)	Permits, Advertising, Legal:	\$	<u>10,000.00</u>	
e.)	Contingencies: (not to exceed 10% of total costs)	\$	<u>12,500.00</u>	
f.)	TOTAL ESTIMATED COSTS:	\$	<u>167,500.00</u>	

1.2 Project Financial Resources

In this section, provide a breakdown of all project funding sources including the total amount of funding from each source and percentage in relation to the total project cost.

- (a) **Local In-Kind Contributions** - indicate the dollar value of force account labor (applicant's own employees), materials, equipment, or volunteer labor that will likely be contributed by the applicant toward the project.
- (b) **Applicant Contributions (Local Funds)** - indicate the dollar amount of actual applicant support, e.g. general revenues, local debt, user fees, etc.
- (c) **Other Public Revenues** - indicate other funding sources and dollar amounts expected from these sources. Nature Works, Land Water Conservation Fund, Ohio Environmental Protection Agency (OEPA), Ohio Water Development Authority (OWDA), Community Development Block Grant (CDBG), Ohio Department of Natural Resources (ODNR), or others.
- (d) **Private Contributions** - Any private sources such as developers, assessments, etc.
- (e) **Clean Ohio Conservation Fund** - financial assistance from the Clean Ohio Conservation fund. Please also include participation from other Natural Resources Assistance Councils. Applicants may request grants up to seventy-five percent (75%) of the total project cost.
- (f) **Total Financial Resources** - total items (a) through (e). This sum must equal the total estimated costs in section 1.1 (f). The sum of the percentages should equal 100%.

1.3 Availability of Local Funds

Indicate the status (date available) of all funding sources identified in sections 1.2(a) through 1.2(d). For applicant contributions, a Status of Funds Report should be signed by the applicant's CFO which certifies that all local share funds are available as indicated in the application and have been formally earmarked for the project. The CFO should also indicate status of all non-Clean Ohio Conservation funds to be used for the project. For other public revenues, indicate the specific program from which the funds are coming.

1.2 PROJECT FINANCIAL RESOURCES:

(Round to Nearest Dollar and Percent)

	DOLLARS	%
a.) In-Kind Contributions	\$ <u>6,000.00</u>	<u>4%</u>
(Please define) <u>Materials and Labor for Mulch Path</u>		
b.) Applicant Contributions (Local Funds)	\$ <u>33,925.00</u>	<u>20%</u>
(Stormwater Utility)		
c.) Other Public Revenues		<u>1%</u>
Nature Works	\$ <u>0.00</u>	
Land Water Conservation Fund	\$ <u>0.00</u>	
Ohio Environmental Protection Agency	\$ <u>0.00</u>	
Ohio Water Development Authority	\$ <u>0.00</u>	
Community Development Block Grant	\$ <u>0.00</u>	
Ohio Department of Natural Resources	\$ <u>0.00</u>	
OTHER (engineer application fee)	\$ <u>1,950.00</u>	
d.) Private Contributions	\$ <u>0.00</u>	<u>0%</u>
SUBTOTAL LOCAL RESOURCES:	\$ <u>41,875.00</u>	<u>25%</u>
e.) CLEAN OHIO CONSERVATION FUND:	\$ <u>125,625.00</u>	
Funds from another NRAC	\$ <u>0.00</u>	
SUBTOTAL CLEAN OHIO RESOURCES:	\$ <u>125,625.00</u>	<u>75%</u>
f.) TOTAL FINANCIAL RESOURCES:	\$ <u>167,500.00</u>	<u>100%</u>

1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a statement signed by the Chief Financial Officer listed in section 4.2 certifying all local share funds required for the project will be available on or before the earliest date listed in the Project Schedule section.

Please list any partnership with other sources. (ie; is this part of a larger project or plan):

2.0 PROJECT INFORMATION

2.2 Brief Project Description

Describe the improvements resulting directly from implementation of this project.

- (A) Specific Location - Attach a map indicating the specific location. If a map is not available, provide specific location of the project boundaries (where the project begins and ends).**
- (B) Project Components - Describe the kind of project and project components. For example, an open space project should indicate whether or not it involves habitat protection, reforestation of land, etc.**
- (C) Project Emphasis - Provide the project specifics. Please indicate precisely how the project meets the emphasis described in Attachment A of the project application. Include descriptive characteristics such as the size of space being acquired or enhanced.**
- (D) Define Terms of Easement - please refer to section 164.26 of the Ohio Revised Code for guidance.**
- (E) Information Regarding Public Access - Describe where the access is located. Is it open to the general public or are there restrictions? What are the hours of availability? Will the general public be given the opportunity to participate in the planning of the project?**

2.3 Ownership/Management/Operation - Please indicate who will own, maintain, and operate the improvement.

2.0 PROJECT INFORMATION

If the project is multi-jurisdictional, information must be consolidated in this section.

X Please check here if additional documentation is attached.

2.1 BRIEF PROJECT DESCRIPTION - (Sections A through E):

A: SPECIFIC LOCATION: Please attach a map.

The project will span a distance of approximately 4000 feet (0.75 miles) adjacent to Northland Rd. in the City of Forest Park, Ohio. The section of intermittent stream to be restored extends from Waycross Road in a southerly direction along the backyards of homes on Evangeline Road, Northland Road, Hanover Road and Embassy Drive to a termination point at Sharon Road. In addition, this project traverses through School District Property, Embassy Park (city owned), and terminates at a Hamilton County Park District. The stream's drainage area is part of the watershed titled "West Fork Mill Creek".

PROJECT COUNTY: HAMILTON **PROJECT ZIP CODE:** 45240

B: PROJECT COMPONENTS: Please describe the various project components.

The project will revitalize a riparian corridor that is currently in a state of degradation and experiencing erosion and wash-out problems. The project will fulfill a goal set forth in the West Fork Mill Creek Sub-Basin Watershed Action Plan as stated below:

Goal: Reduce erosion and sedimentation impacts to West Fork Mill Creek and it's Tributaries.

The main participants on this project will employ a number of bioengineering techniques to be incorporated into the overall "aesthetically pleasing and ecologically informed design". In addition, the project will serve as an example or demonstration site of a restored urban stream through the implementation of Best Management Practices. This project is not considered a response to NPDES (National Pollutant Discharge Elimination System) requirements. It will, however, provide lessons on how to address issues raised by stormwater management regulations because The West Fork of the Mill Creek is influenced by stormwater. Public Education, a non-physical project component, will be made possible through project funding as well as the visibility of the project site via School District and City owned property.

The project corridor terminates in the northern boundary of Winton Woods Park, which is owned and managed by the Hamilton County Park District. This park is easily accessible, moderately visible and open to the public. Along the project corridor are a number of stream bends that will, if left unremediated, wash out the backyards of several streamside houses creating risks to foundations and corridor flooding.

Physical project components include decreases in water velocity, erosion, non-point source pollution to Winton Lake (this lake was recently dredged to remove years of silt accumulation) and The West Fork of the Mill Creek, streambank slump failure, infrastructure maintenance costs, property damage, siltation of the streambed, and invasive, nonnative plants. A successful project will include increases in bank full flow capacity (storage), native plant life, organic material and natural wildlife habitats, as well as educational opportunities.

Project partners, each with a stake in the overall success of the project and (most of whom) are charged with implementing the project components, will include the City of Forest Park, Winton Woods School District, The Hamilton County Park District, and the Village of Greenhills, which is one of three "greenbelt" communities built by the Federal Government in the 1930s. The original government-built area is listed on the National Register of Historic Places.

Since the City of Forest Park is unable to complete this project without this funding, detailed designs and plans have not been developed, only concepts as outlined in this application. In order to allow for an expedient project schedule should funding be available, the project will be completed via a project delivery system known as design-build. *The project will commence immediately when funding is in place.*

Design-build is a contracting process that brings designers and contractors together early in the detail design portion of a project. Under this concept, Forest Park clearly defines the standards and general specifications they expect from a project, and the designer-builder team works together to satisfy those requirements. Through coordination, team members are able to develop innovative and efficient solutions to meet project expectations. The design-build process differs from the traditional method by overlapping design and construction, allowing construction to begin after a portion of the design has been completed.

Under the design-build approach, Forest Park will advertise for design-build bids, outlining the general specifications for the project. The bidders will put together, at their expense, designs to accomplish the project. Forest Park will then have several designs to choose from, all performed at bidders expense, to determine which design is the best and select the appropriate bidder.

As part of the requirements, the design-build team will have to demonstrate successful completion of 3-5 similar projects in the last 10 years.

The benefits gained in establishing a well-designed and managed design-build project include the following:

- ♦ **Singular Responsibility** - with the design and construction in the hands of one entity, there is a single point of responsibility for quality, cost, and schedule adherence, which eliminates change orders. This allows Forest Park to focus on the scope and timely decision-making, rather than on coordination between the designer and builder.
- ♦ **Quality** - the greater responsibility in design-build serves as a motivation for high quality and the proper performance of building systems. Once the requirements and expectations are documented in performance terms, it is the design-builder's responsibility to produce results accordingly. Further, the design-builder warrants to Forest Park that the design documents are complete and free from error, thus the elimination of change orders due to differing site conditions, etc. By contrast, under the "traditional" design-bid-build concept, the owner warrants to the contractor that the drawings and specifications are complete and free from error. Because it is the owner's warranty for the design documents under the traditional approach, change orders are required to complete a project. Change orders are a relic of the past with design-build, unless Forest Park itself changes an aspect of the project, such as plant species to be used after the contract is awarded, etc.
- ♦ **Cost Savings** - design and construction personnel work and communicate as a team to evaluate alternative methods and materials efficiently and accurately. Value engineering and constructability are utilized more effectively when the designers and contractors work as one team during the design process.
- ♦ **Time Savings** - because design and construction are overlapped, total design/construction time will be significantly reduced. Under this method, construction work is allowed to begin in advance of the working drawings being fully completed. This results in lower costs and earlier utilization of the completed facility.
- ♦ **Reduced Administrative Burden** - after award of the design-build contract, Forest Park does not have to invest time and money coordinating and arbitrating between separate design and construction contracts.
- ♦ **Early Knowledge of Firm Costs** - because the bidders are supplying a fixed price early in the process, this eliminates the all too often escalation of costs from the design consultant's initial estimate to the bid estimate.

The applicants for this project consist of the City of Forest Park and Quest Engineers. The following constitutes relevant experience each applicant has had in projects of this nature:

The City of Forest Park has many years of project management experience involving acquiring and preserving Green Space throughout the community. The City's Public Works Department maintains these projects. Past projects

include:

- **I-275/Winton Road Right-of-way quadrants (2000 & 2001):** landscaping, planting and on-going maintenance of trees and vegetation.
- **Central Park Picnic Grove (1996):** area was overgrown with honeysuckle and was an eyesore in our community. This area now serves as a public space where people can enjoy the shade of the trees and picnic with their families.
- **Wildlife Butterfly Habitat (2002):** Corner of Mill & Kemper Roads. This northwest gateway to the City served as a trash dump for everything from drywall to grass clippings, to tree trimmings. The Public Works Department cleared this site that is now used to house a butterfly sanctuary.
- On-going projects include the beautification and maintenance of 40-50 flower beds throughout the city and all seven of our community parks.
- In addition, the City of Forest Park has received an annual Tree City USA Award since 1991 as presented by the National Arbor Day Foundation. One requirement for this award is that the City celebrates National Arbor Day. In celebration, the Street Tree Committee sponsors a "Spring Tree Give-away" offering a limited number of trees to qualified homeowners to plant in the tree lawn area.

Quest Engineers firm and individual experience include the Milford Streambank Erosion project for the city of Milford, Ohio, and the Hall Run and Shayler Run Stream Revetment project for Clermont County, Ohio.

The following entities encompass our partners on this project. Included is a brief description of the roles they will provide:

Hamilton County Park District

Jim Mundy will provide consultation services relating to recommendations and coordination of plantings on the project site.

Forest Park Environmental Awareness

Wright Gwyn, Environmental Awareness Program Manager, will coordinate activities with the schools. Enclosed is a letter of support and a pamphlet describing the Environmental Awareness program & their relationship with the schools. This program encompasses the greater Forest Park Area.

Forest Park Chamber of Commerce

- announcement in bi-monthly newsletter
- project presentation at one of the monthly lunch meetings
- 120 paid members, made up of FP businesses (largest business group in FP)

Forest Park Progress, the city newsletter

The Forest Park Progress is a quarterly newsletter published for the residents of Forest Park. It is intended to keep the public aware of the happenings in their community. Over 9000 residents receive a newsletter in the mail every three months. It is posted on the City of Forest Park's website at

www.forestpark.org, which can be used for announcement of the project, and call for volunteers.

The Forest Park Economic Update, newsletter

Monthly newsletter published by the Economic Development Commission, sent out to over 600 businesses in Forest Park. The newsletter can be used to announce the project and call for volunteers.

www.forestpark.org

This is the city's official website. Any current projects can readily be broadcast via this website including a call for volunteers.

C: PROJECT EMPHASIS AS DEFINED BY SECTIONS 164.22 (A) (B) OF THE OHIO REVISED CODE AND LISTED IN APPENDIX A: Please describe.

1. The termination point of this project corridor, Winton Woods, was identified as a "biotic refuge" by Dr. Stanley Heeden, of the biology department at Xavier University. In 1994 he released a document entitled *Biotic Refuges in the Mill Creek Region*, which identifies Winton Woods/Springfield Township and 21 other biotic refuges associated with the Mill Creek and its tributaries. Dr. Heeden defines a biotic refuge as a "watershed area that can anchor recovery efforts." He also states: "Refuges of biological diversity serve as sources of organisms for adjacent areas recovering from pollution and habitat disturbance." Protection of this corridor will thus indirectly serve to protect rare, threatened or endangered species in the "biotic refuge".

O.D.N.R. has stated that it did not find evidence in their database of rare or endangered species along the proposed project corridor (see attached exhibit). However, the Indiana Bat is an endangered species native to the area. The summer habitat requirements for the Indiana Bat are not well defined but are thought to include dead trees and snags along riparian corridors and live trees with exfoliating bark. Efforts will be made to preserve the natural habitat of this species (generally dead trees and live trees with exfoliating bark) by not cutting these between April 15th and September 15th. The trees will only be cut down in an extreme circumstance such as if the tree were large and leaning enough such that if it naturally fell, it would cause significant damage to surrounding trees as well as disrupt the stream bank.

2. Habitat protection will be enforced as described in #1 above.

3. Honeysuckle bushes can be found in abundance in a number of areas along the stream bank of this West Fork Mill Creek Tributary. They will be removed and replaced with native plants.

4. The project will preserve and increase high quality, viable habitat for plants and animals along this West Fork Mill Creek Tributary. Sycamore, cottonwood, and other native bottomland trees provide the basis for a healthy ecosystem.

- 5. Restoration of this riparian corridor, including methods such as trash removal and general waste cleanup and plantings with native rushes, willows, shrubs, and trees will reduce erosion and nonpoint source pollution. This will lower water temperature (with shade) and will thus restore aquatic biological communities.**
- 6. This section of the West Fork, Mill Creek is considered a headwater stream. Further, this section is just upstream of the Winton Woods Lake, part of the Hamilton County Park District system. The Winton Woods Park is comprised of rolling hills and 2,375 forested acres of land available for year-round recreational activities, such as camping, boating, fishing, golf, and hiking.**
- 7. Although this project area is not within a FEMA identified floodplain, it does restore what would be considered streamside forestation via plantings of native willows, shrubs, and trees. This is key because several of the slopes exceed 20% slope and as such are subject to accelerated streamside erosion without adequate root support system provided by trees and other plantings outlining the area.**
- 8. The project will improve water quality primarily through erosion reduction. Other water quality improvements will include removal of unwanted fill soils, sand and silt from the stream channel, marked reductions in nonpoint source pollution, water velocity control measures and (ideally) bacteria content.**
- 9. The premise of the project is to restore the natural features of the stream channel. This will be carried out through improvements to areas that currently suffer from bank erosion, undercutting, sedimentation, deposits and siltation, as well as other forms of stream bank failure.**
- 10. This project site is not currently considered within the boundary of a FEMA identified floodplain. However, very small portions of Forest Park have recently been identified by the National Flood Insurance Program as being within the 100 year floodplain on Flood Insurance Rate Maps. Enclosed with this application is a letter from FEMA outlining this information.**
- 11. There are no identified wetlands within the project corridor on the National Wetland Inventory.**
- 12. Although the premise for the project is to minimize streambank erosion, the methods to be used to solve this problem revolve around the planting of native willows, shrubs, and trees along the streambank.**
- 13. An "aesthetically pleasing and ecologically informed design" are characteristics of the project plans to remove non-native species and man-made objects. A man-made concrete dam/weir structure exists in the stream channel next to the school. It is currently characterized by an outlet pool full of trash**

such as shopping carts and old tires, is easily accessed, and presents a source of concern regarding the safety of the school children. This project would involve removal of this dam and installation of more natural step pools that would bring about energy reduction in a more natural form. An excellent example of a contribution to the local quality of life.

14. The project site involves a City owned park, a school in the Winton Woods School District System, and a portion of Winton Woods Park. In addition, it traverses along private property in spots and easements will be obtained for those areas.

15. Stream corridors in the state of Ohio are owned, operated and maintained by the owners of the properties through which the streams traverse. Therefore it will be necessary to obtain temporary construction easements for all properties along this stream corridor in order to complete planned riparian zone activities. It is anticipated that additions will be made to the easement language forbidding certain activities, such as clear-cutting and removal of trees.

16. Reforestation will be carried out as the preferred manner to prevent streambank erosion.

17. The majority of the project revolves around planting of native materials such as sedges, rushes, willows, shrubs and trees along the West Fork Tributary that enhance filtration.

18. As stated in the "project components" section, the project will incorporate an "aesthetically pleasing and ecologically informed design". This will be brought about through removal of unnatural features such as trash buildup, deposited concrete and soils, steep streambeds, unstable rip-rap, the existing dam, weir structure and honeysuckle bushes. These items will be removed and replaced with hundreds of native plants.

19. It is envisioned that the Forest Park Community Center and Waycross Elementary School (located near the beginning of the stream/project), as well as surrounding schools that make up the Winton Woods City School District and Northwest Local School District, will all benefit from educational opportunities presented by this project. The Winton Woods City School District is made up of 8 schools totaling 4,500 students serving Forest Park, Greenhills, and northern Springfield Township. The Northwest Local School District is comprised of 16 schools totaling 10,000 students serving Forest Park, Colerain Township, Green Township, Springfield Township, and Ross Township.

20. This project does not involve land acquisition within the stream corridor.

21. A planned community since its inception, Forest Park is now the third largest city in Hamilton County, with nearly 20,000 residents in 6,584 households. Styles of residences range from older, single-family homes to new

single-family residential developments to apartments and condominiums, all in attractive surroundings. Using a master plan to develop its 3,800- plus acres, Forest Park integrates commercial developments and high quality neighborhoods while leaving the surrounding greenbelt virtually undisturbed.

Forest Park takes pride in the cultural and socio-economic diversity of its residents. The combination of hospitality and small town flavor with easy access to excellent shopping and convenience to metropolitan leisure attractions makes Forest Park an ideal community for a home or business.

Although this section of the West Fork Mill Creek was not identified as a potential "Mill Creek Watershed Greenway Pilot Project", it can be considered as important in terms of long range planning of Greenways along the Mill Creek corridor.

22. The project site involves Winton Woods Park, which was rated Hamilton County's largest and most popular park. The park contains a lake, nature trails, bike paths, and other recreational features, such as fishing, boating, and camping. A riparian corridor restoration leading up to this area would improve the waterway feeding Winton Woods Lake, thus increasing the parks functional and aesthetic value.

23. This project corridor, considered an urban stream, is generally not considered an area for fishing, hunting or trapping. However, people have been observed fishing in Winton Woods Lake, to which this stream contributes stormwater.

24. Forest Park has within it's boundaries a number of subdivision areas containing homes of modest income and apartment complexes that are densely populated. Any natural improvement to the area is welcomed by the city.

D: DEFINE TERMS OF EASEMENTS:

PLEASE REFER TO SECTION 164.26 OF THE OHIO REVISED CODE.

Stream corridors in the state of Ohio are owned, operated and maintained by the owners of the properties through which the streams traverse. Therefore it will be necessary to obtain easements for all properties along this stream corridor in order to complete planned riparian zone activities.

E: INFORMATION REGARDING PUBLIC ACCESS

Where is the access located? Is it open to the general public or are there restrictions? What are the hours of availability? Will the general public be given the opportunity to participate in the planning of the project?

The project is easily accessed by public streets. Specifically, these are Hanover Road, Northland Road, Evangeline Road and Sharon Road. In addition, locations within Embassy Park, Winton Woods Park, and Waycross Elementary

will provide access. Various portions will provide differing restrictions to the public – the parks from dawn to dusk; the public streets and property owners adjacent to the project have 24-hour access. Additionally, the public will be involved in planning project volunteer work days and demonstration / education events.

2.2 OWNERSHIP/MANAGEMENT/OPERATION: Please address.

The project will be owned and operated by a team that includes the City of Forest Park, Waycross Elementary and the property owners. Property owners will become solely responsible for management of the riparian corridor sections in their backyards.

3.0

PROJECT SCHEDULE

Indicate the estimated beginning and ending dates of your project. (3.1) planning and implementation, (3.2) land acquisition/easements, (3.3) site improvements. If dates are not applicable to your project, please enter [N/A].

Projects with schedules that lend themselves to a future program year may be returned for resubmission at a later date.

4.0

PROJECT OFFICIALS

4.1 Chief Executive Officer (CEO)

Identify the person who will have legal authority to sign a project agreement as indicated in the required authorization (see Section 5.0, Attachments). This person must have the authority to enter into a contract with the commission. Examples of a CEO are: the chair/president of the board of county commissioners or township trustees, a mayor or manager of a city or village. Include title, mailing address, phone number, fax number, and e-mail address, if available. Project Agreements from the OPWC will be mailed directly to the Chief Executive Officer for execution.

4.2 Chief Financial Officer (CFO)

Identify the person who will have legal responsibility for managing both local and state funds. The CFO reviews and certifies the validity and accuracy of accounts, reviews invoices associated with the project, and assists in requesting the disbursement of program funds from the OPWC. Examples of a CFO are: county or city auditor, clerk/treasurer, or finance director. Include title, mailing address, phone number, fax number, and e-mail address, if available.

4.3 Project Manager (PM)

Identify the person with whom OPWC should have contact regarding administration of the project. This person could be a county or city engineer, an employee of the applicant, or a contracted consultant. Include title, mailing address, phone number, fax number, and e-mail address, if available.

3.0 PROJECT SCHEDULE:*

	BEGIN DATE	END DATE
3.1 Planning and Implementation:	<u>01/ 01 / 03</u>	<u>04/ 31/04</u>
3.2 Land Acquisition/Easements	<u>08/ 01/ 03</u>	<u>12 / 31/ 03</u>
3.3 Site Improvements:	<u>08/ 01/ 03</u>	<u>04/ 31 /04</u>

*** Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by a project official of record and approved by the commission once the Project Agreement has been executed.**

4.0 PROJECT OFFICIALS:

4.1 CHIEF EXECUTIVE OFFICER Ray Hodges

TITLE	<u>City Manager, City of Forest Park</u>
STREET	<u>1201 West Kemper Road</u>
CITY/ZIP	<u>Forest Park, OH 45240</u>
PHONE	<u>(513) 595 -5206</u>
FAX	<u>(513) 595-5285</u>
E-MAIL	<u>rayh@forestpark.org</u>

4.2 CHIEF FINANCIAL OFFICER Elaine Stookey

TITLE	<u>Finance Director, City of Forest Park</u>
STREET	<u>1201 West Kemper Road</u>
CITY/ZIP	<u>Forest Park, OH 45240</u>
PHONE	<u>(513) 595-5210</u>
FAX	<u>(513) 595-5285</u>
E-MAIL	<u>elaines@forestpark.org</u>

4.3 CO - PROJECT MANAGER David L. Buesking

TITLE	<u>Public Works/Stomwater Utility Director</u>
STREET	<u>1201 West Kemper Road</u>
CITY/ZIP	<u>Forest Park, OH 45240</u>
PHONE	<u>(513) 595 -5258</u>
FAX	<u>(513) 595-5285</u>
E-MAIL	<u>daveb@forestpark.org</u>

Changes in Project Officials must be submitted in writing from the CEO or CFO.

5.0 ATTACHMENTS/COMPLETENESS REVIEW:

In order that your application may be processed in a timely fashion, please submit your application on 8 1/2 by 11 white paper with dark ink so that it may be copied for others. It is understood that some items may not conform to this request such as large maps and photographs. Please feel free to include these items.

Confirm in the blocks [] below that each item listed is attached.

- [] A certified copy of the authorization by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 6.0, Applicant Certification, below.
- [] A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section.
- [] A formal detailed estimate of the project's costs provided by an architect, landscape architect, or other professional. For land acquisition, an appraisal by a State-certified general real estate appraiser, as defined under ORC 4763 for the type of land being appraised will need to be submitted to the NRAC prior to closing.
- [] A cooperation agreement (if the project involves more than one entity) which identifies the fiscal and administrative responsibilities of each participant.
- [] Resolution of Support (Please refer to section 164.23(B)(1) of the Ohio Revised Code for guidance.)
- [] Identification of any participation by state agencies that will provide to this particular project and that will provide assistance with respect to the project.
- [] Information concerning the coordination of the project among local political subdivisions, state agencies, federal agencies, community organizations, conservation organizations, and local business groups.
- [] Supporting Documentation: Materials such as additional project description, photographs, and/or other information to assist your NRAC in ranking your project. Be sure to include supplements which may be required by your *local* NRAC.
- [] Have you reviewed your NRAC's methodology to see that you have addressed all components?

6.0 APPLICANT CERTIFICATION:

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that the project, as defined in the application, has NOT resulted in any transfer of title or rights to land or begun any type of physical improvements prior to the execution of a Project Agreement with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding.

Certifying Representative (Type or Print Name and Title)

Jay V. Dodge 3/3/03
Original Signature/Date Signed

ATTACHMENT A

PROJECT EMPHASIS

NOTE: IF THE PROJECT HAS MORE THAN ONE EMPHASIS, PLEASE PLACE A "1" IN THE CATEGORY THAT IS THE PRIMARY EMPHASIS, A "2" IN THE CATEGORY WITH SECONDARY EMPHASIS, AND A "3" IN THE CATEGORY WITH THIRD EMPHASIS.

OPEN SPACE

- ☐ 1. Protects habitat for rare, threatened and endangered species
- ☐ 2. Increases habitat protection
- ☐ 3. Reduces or eliminates nonnative, invasive species of plants or animals
- ☐ 4. Preserves high quality, viable habitat for plant and animal species
- ☐ 5. Restores and preserves aquatic biological communities
- ☒ 6. Preserves headwater streams
- ☐ 7. Preserves or restores floodplain and streamside forest functions
- ☒ 8. Preserves or restores water quality
- ☒ 9. Preserves or restores natural stream channels
- ☐ 10. Preserves or restores functioning floodplains
- ☐ 11. Preserves or restores wetlands
- ☐ 12. Preserves or restores streamside forests
- ☐ 13. Preserves or restores other natural features that contribute to quality of life and state's natural heritage

RIPARIAN CORRIDOR

- ☐ 14. Fee simple acquisition of lands to provide access to riparian corridors or watersheds
- ☐ 15. Acquisition of easements for protecting and enhancing riparian corridors or watersheds
- ☐ 16. Reforestation of land
- ☒ 17. Planting vegetation for filtration
- ☒ 18. Incorporates aesthetically pleasing and ecologically informed design
- ☒ 19. Enhances educational opportunities and provides physical links to schools and after school centers
- ☐ 20. Acquisition of connecting corridors
- ☐ 21. Supports comprehensive open space planning
- ☐ 22. Provides multiple recreational, economic and aesthetic preservation benefits
- ☐ 23. Allows proper management of areas where safe hunting and trapping may take place in a manner that will preserve balanced natural ecosystems.
- ☐ 24. Enhances economic development that relies on recreational and ecotourism in areas of relatively high unemployment and lower incomes

Certification of Useful Life and Construction Cost Estimate

PROJECT NAME: Forest Park Riparian Corridor Restoration Project
OWNER: City of Forest Park, OH
TYPE OF PROJECT: Bio-engineering

a.) **Acquisition Expenses:** \$ 0.00
 Fee Simple Purchase \$ 0.00
 Easement Purchase \$ 0.00
 Other \$ 0.00

b.) **Planning and Implementation:** \$ 20,000.00
 Appraisal \$ 0.00
 Closing Costs \$ 0.00
 Title Search \$ 0.00
 Environmental
 Assessments \$ 0.00
 Design \$ 20,000.00
 Other Eligible
 Costs \$ 0.00

c.) **Construction or Enhancement of**
 Facilities:
 Parking lot rock chutes \$ 4,000.00
 Remove low-head dam \$ 12,000.00
 Construct (3) riffle grade controls \$ 10,500.00
 9 acres of invasive vegetation management \$ 27,000.00
 Planting of Native Materials \$ 62,000.00
 Meetings \$ 3,500.00
 In-Kind Labor (mulch walking path) \$ 6,000.00


Total \$ 125,000.00

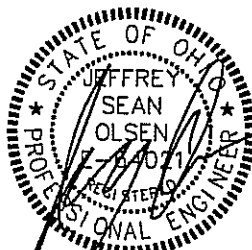
d.) **Permits, Advertising, Legal:** \$ 10,000.00

e.) **Contingencies:** \$ 12,500.00
 (not to exceed 10% of total costs)

f.) **TOTAL ESTIMATED COSTS:** \$ 167,500.00

I certify that the above estimated probable costs are accurate to the best of my knowledge.


Jeffrey Sean Olsen Date 2/28/03
Ohio Registration Number E-64021



RESOLUTION NO. 06-2003

A RESOLUTION AUTHORIZING THE CITY MANAGER
TO FILE AN APPLICATION WITH THE OHIO PUBLIC WORKS COMMISSION FOR
CLEAN OHIO CONSERVATION FUNDS
(FOREST PARK RIPARIAN CORRIDOR RESTORATION PROJECT)

WHEREAS, environmental clean up and green space conservation preservation is a priority of the City of Forest Park, and

WHEREAS, in November 2000, Ohio voters passed a bond levy to fund the Clean Ohio Conservation program. Said bond levy provided four hundred million dollars for "Brownfield" environmental clean up and "Greenfield" open space and conservation preservation projects, and

WHEREAS, the City of Forest Park will apply for funding under the Ohio Public Works Commission Clean Ohio Conservation funds for Forest Park Riparian Corridor Restoration Project.

NOW, THEREFORE, Be It Resolved by the Council of the City of Forest Park, Ohio.

SECTION 1.

That the Council of the City of Forest Park does hereby endorse and support the application for Ohio Public Works Commission Clean Ohio Conservation funds for the clean up and stabilization of a stream located in Hanover Road/Northland Boulevard/Sharon Road area (Forest Park Riparian Corridor Restoration Project) as fully described in the grant application.

SECTION 2.

That the City Manager is hereby authorized and directed to file an application with the Natural Resources Assistance Council (NRAC) District 2 and the Ohio Public Works Commission for funding under the Clean Ohio Conservation funds, and if awarded to implement said project.

SECTION 3.

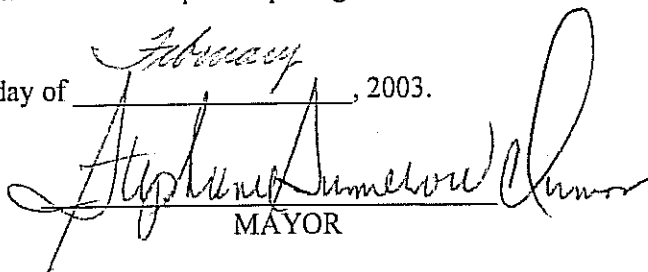
That the City of Forest Park hereby requests the Natural Resources Assistance Council (NRAC) District 2 and the Ohio Public Works Commission to consider and fund this application.

SECTION 4.

This resolution shall be in full force and take effect upon its passage.

Passed this 27th day of February, 2003.


CLERK OF COUNCIL

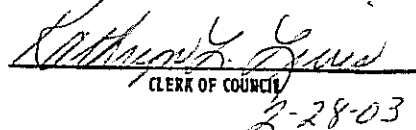

MAYOR

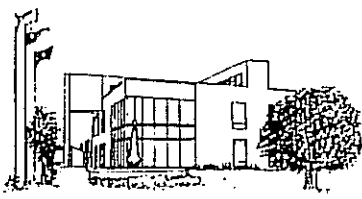
APPROVED AS TO FORM:

LAW DIRECTOR

CERTIFICATE

I, KATHRYN L. LIVES, CLERK OF COUNCIL OF THE CITY OF FOREST PARK, OHIO, HEREBY CERTIFY THAT THE FOREGOING IS A TRUE, EXACT AND COMPLETE COPY OF Resolution No. 06-2003 ADOPTED BY THE COUNCIL OF SAID CITY, ON THE 27th DAY OF February, 2003, AND THAT THE SAME IS IN FULL FORCE AND EFFECT AND HAS NOT BEEN REPEALED OR AMENDED.


CLERK OF COUNCIL
2-28-03



City of Forest Park

FINANCE/INCOME TAX DEPARTMENT

February 27, 2003

I, Elaine Stookey, Finance Director of the City of Forest Park, hereby certify that the City of Forest Park has the amount of \$33,925 in the Stormwater Management Utility fund and that this amount will be used to pay the applicant revenues for the Forest Park Riparian Corridor Restoration Project when it is required.

Elaine Stookey
Elaine Stookey, Finance Director



Federal Emergency Management Agency

Region V

536 South Clark Street, 6th Floor

Chicago, IL 60605-1521

February 24, 2003

Mr. Gary L. Heitkamp, E.I.
Assistant City Engineer
City of Forest Park
1201 West Kemper Road
Forest Park, Ohio 45240

Dear Mr. Heitkamp:

I am writing in response to your letter of February 7, 2003, requesting more complete information concerning the National Flood Insurance Program (NFIP) as it relates to the Village of Forest Park. At the present time your community does not participate in the National Flood Insurance Program. We recently presented preliminary Flood Insurance Rate Maps (FIRMs) for Hamilton County that identify a portion of Forest Park within the limits of the 100-year floodplain. I shall attempt to answer your questions concerning the NFIP as it relates to Forest Park.

What State and Federal ramification would Forest Park be subject to if they become a "sanctioned" community under the NFIP?

44 CFR 59.2 (a) states; "The Flood Disaster Protection Act of 1973 requires that on or after July 1, 1975, or one year after a community has been formally notified by the Administrator of its identification as a community containing one or more special flood, mudslide or flood-related erosion hazard areas, no such Federal financial assistance, shall be provided within such an area unless the community in which the area is located is then participating in the Program." Two types of federal disaster assistance that would not be available to your residents if there were a Federally declared flooding disaster in Hamilton County would be assistance for the repair of a structure and personal property assistance.

Should your community choose not to join the NFIP, flood insurance will not be available for purchase by the residents, businesses and for public buildings. In communities where the availability of flood insurance is limited, the inability of a property owner to purchase NFIP coverage does not prevent a lender from making a conventional loan with respect to that structure. The Federal regulations mandate coverage only when "the sale of flood insurance has been made available." A lender may exercise discretion and decline to make a loan in a Special Flood Hazard Area (SFHA) where Federal flood insurance is not available. Although a conventional loan may be extended in a nonparticipating community, a lender may not be able to pass such a loan on to a regulated lending institution or to the regulated secondary market. Fannie Mae and Freddie Mac have stated they will not buy mortgages secured by properties in nonparticipating communities if the properties are located in an SFHA. To ensure that such loans are not delivered to them, Fannie Mae and Freddie Mac require lenders to monitor, on an ongoing basis, changes in a community's status under the NFIP.

to the Ohio Department of Natural Resources Floodplain Management Program, state regulations apply in nonparticipating communities. For state funded development or activities under state pre-emptive regulatory authority in identified flood hazard areas, R.C. Section 1421.14 (c) (1) requires that state agencies require the applicant for funding or approval demonstrate compliance with the minimum flood damage reduction standards of the NFIP. R.C. Section 1521.14 (c) (3) stipulates that no state flood disaster assistance would be available in a nonparticipating community identified with flood hazards pursuant to the NFIP unless the community joins or rejoins the NFIP.

You outlined the proposed Wright Farm East Detention Basin project and questioned what procedures; applications, permits, fees, agency coordination, and/or submittals would be expected of the City, if the City does participate in the NFIP? Would the new FIRM reflect this basin? Would a CLOMR and/or LOMR, or any other map/study revision have to be submitted?

If the City elects to join the NFIP, they would be required to adopt and administer floodplain regulations that meet the minimum guidelines of the Federal regulations. Forest Park would be required to review the proposed development and determine that it met the requirements of the regulations and issue the required permit. NFIP regulations do not prohibit the construction of flood/storm water control projects. A CLOMR and/ or LOMR would not be required. The new FIRM for Forest Park will not reflect this basin unless the data is submitted as part of the appeal process.

You questioned how the study limits of the creeks were chosen? Also, some creek floodplains appear to stop at an existing earthen dam, would the floodplain surrounding the Wright Farm East detention pond be "stopped" at the dam as well?

The Forest Park maps are part of a countywide effort to incorporate existing study data, new data for Mill Creek and updated topographic information. In some instances a community may have provided updated topographic data while an adjacent community did not have new data so existing topographic data was utilized. We attempt to incorporate the most recent data that exists at the time the preliminary maps are generated. In certain instances the data that is submitted may be for a specific portion or segment of a stream or creek. New data is included on the FIRM even though we may not have the data for the area extending beyond the area studied. You questioned whether a floodplain would stop at the Wright Farm East detention pond dam? The delineation of the floodplain as it relates to the dam cannot be predicted and it dependent upon an analysis of the data submitted for this project.

You questioned what type of flooding would qualify under the NFIP?

44 CFR 59.1 defines a flood as:

- a) A general and temporary condition or partial or complete inundation of normally dry land areas from:
 1. Overflow of inland or tidal waters;
 2. Unusual and rapid accumulation or runoff of surface waters from any source;
 3. Mudslides (i.e., mudflow) which are proximately caused by flooding as defined in paragraph (a)(2) of this definition and are akin to a river of liquid and flowing mud on the surfaces of normally dry land areas, as when earth is carried by a current of water and deposited along the path of the current.

- b) Collapse or subsidence of land along the shore of a lake or similar body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding as defined in paragraph (a) (1) of this definition.

This definition parallels the definition of flood in the standard flood insurance policy. The flood insurance policy manual can be accessed for review at <http://www.fema.gov/nfip/cvr0502.pdf>.

Floods are the most common natural disaster. In the last five years sixty-one percent of all Presidentially declared disasters included flooding. The NFIP is a voluntary program based on a mutual agreement between the Federal government and the local community. The strategy is to provide the benefit of federally backed flood insurance coverage to businesses and homeowners in return for the regulation of floodplain development at the local level. A policyholder does not have to live in the SFHA to purchase flood insurance. Approximately twenty-five percent of the losses paid by the NFIP occur in areas outside the SFHA. The NFIP's Preferred Risk policy is available for just over \$100 per year and is designed for residential properties located in low-to-moderate-flood-risk zones. The preliminary Flood Insurance Rate Maps (FIRM) for Forest Park delineated a small area of the community as SFHA. Even though there is only a small area delineated as SFHA there can be residents located outside of the SFHA who may wish to obtain flood insurance. Should your community choose not to participate in the NFIP they are denying their residents the ability to purchase flood insurance.

I hope that your community will conclude that participation in the NFIP is beneficial to its residents and businesses. Should you need additional clarification concerning any of the points I have touched on, please contact me at 312-408-5576.

Sincerely,



Nancy Olson
Natural Hazards Program Specialist
Federal Insurance and Mitigation Division

cc: Mr. Mike Gease, Ohio Department of Natural Resources



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Board of Park Commissioners:

NANCY R. HAMANT • ROBERT A. GOERING • JAMES E. BUSHMAN

Director JACK SUTTON

2-26-03

Mr. Dave Buesking
Stormwater Utility Director
City of Forest Park
1201 West Kemper Road
Forest Park, Ohio 45240

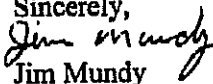
RE: Forest Park Riparian Corridor Restoration Project

Dear Mr. Buesking:

I have recently learned, through discussions with Quest Engineers, of the details surrounding the Forest Park Riparian Corridor Restoration project planned for a tributary to the West Fork Mill Creek.

Our Land Management staff will be available, as schedules permit, to provide technical support to the City of Forest Park, during the appropriate planting periods. We will be able to provide the City of Forest Park a limited amount of donated consulting services in regards to the nature and type of plants to be placed on the site.

Should you require further assistance or wish to discuss the support leant by the Hamilton County Park District or my role on the project, please feel free to contact me at the following phone number at the Hamilton County Park District during regular business hours: (513) 521-7275.

Sincerely,

Jim Mundy

MISSION STATEMENT

"To preserve and protect natural resources and to provide outdoor recreation and education in order to enhance the quality of life for present and future generations."



VILLAGE OF GREENHILLS

February 27, 2003

Mr. Dave Buesking
Stormwater Utility Director
City of Forest Park
1201 West Kemper Road
Forest Park OH 45240

Dear Mr. Buesking:

Re: Forest Park Riparian Corridor Restoration Project

Thank you for sharing with me the details surrounding the Forest Park Riparian Corridor Restoration Project planned for a tributary to the West Fork Mill Creek.

The Village of Greenhills would like to lend its support to this project by making a Village representative available to attend any planning meetings to assist Forest Park to successfully coordinate this Riparian Corridor Project.

The Village realizes that the successful completion of the proposed project will lead to better stormwater management for the region, which includes decreases in water velocity, erosion, and non-point source pollution to Winton Lake.

Sincerely,

David B. Moore
Municipal Manager

klb



1201 West Kemper Road • Forest Park, Ohio 45240
Phone: (513) 595-5263 • Fax: (513) 595-5285
environment@forestpark.org
<http://www.forestpark.org/environmental/>

February 26, 2003

Hamilton County Natural Resources Assistance Council
Ohio Public Works Commission – District 2

To Whom It May Concern:

It is my pleasure to write this letter of support for improving stream channels within the City of Forest Park.

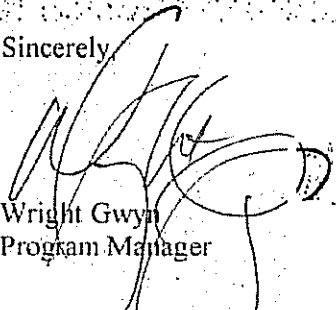
Over the last 13 years, Dave Buesking and I have observed a city in constant motion. As in most urban and suburban communities, much effort has been placed on the continued development of Forest Park. Retail stores, office buildings and subdivisions appeared almost overnight. One result of this development is the reduction of green space and the deterioration of the City's waterways and stream/storm channels.

The resources provided by the Clean Ohio Conservation Program would greatly help our community restore these areas and increase the many attributes they provide. The channel improvements outlined in this proposal would enhance not only the stream directly, but areas adjoining these streams as well.

I cannot express any more strongly my desire, and the desire of this Program, to see this project approved and accomplished. It is time to rebuild our community through the wise use of our limited land and water resources.

So on that note, I again support this endeavor. If you have any questions concerning our commitment or the resources we are willing to utilize, please contact me.

Sincerely,


Wright Gwyn
Program Manager



Ohio Department of Natural Resources

BOB TAFT, GOVERNOR

SAMUEL W. SPECK, DIRECTOR

Division of Natural Areas & Preserves
Nancy Strayer, Acting Chief
1889 Fountain Square, Bldg. F-1
Columbus, OH 43224-1388
Phone: (614) 265-6453 Fax: (614) 267-3096

February 19, 2003

Scott A. McBrayer
Quest Engineers, Inc.
1251 Kemper Meadow Dr., Suite 600
Cincinnati, OH 45240

Dear Mr. McBrayer:

After reviewing our Natural Heritage maps and files, I find the Division of Natural Areas and Preserves has no records of rare or endangered species within the study area outlined on the map of the Quest Engineers, Inc. Forest Park Riparian Corridor Restoration project. The site is in Sec. 24, Springfield Twp., Hamilton Co., Green Hills Quadrangle.

There are no existing or proposed state nature preserves at the project site. We are also unaware of any unique ecological sites, geologic features, breeding or non-breeding animal concentrations, champion trees, state parks, state forests, scenic rivers, or wildlife areas within the project area.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Although we inventory all types of plant communities, we only maintain records on the highest quality areas. Also we do not have data for all Ohio wetlands. The Division of Wildlife has a statewide wetland inventory that can give you additional data. Their phone number is (614) 265-6300. For National wetlands Inventory maps, please contact Madge Fitak in the Division of Geological Survey at (614) 265-6576. Aerial photos may be obtained from ODOT at (614) 275-1369. USGS maps can be requested directly from the U.S. Geological Survey at 1-888-275-8747.

Please contact me at (614) 265-6409 if I can be of further assistance.

Sincerely,

Butch Grieszmer, Ecological Analyst
Support Services Group

February 22, 2003

Scott McBrayer
Quest Engineers, Inc.
1251 Kemper Meadows Drive
Suite 600
Cincinnati, Ohio 45240
513-851-9774, FAX 513-851-9207

RE: Forest Park Riparian Corridor / Conceptual Design-Build Plans

SITE: Tributary to the West Fork of Mill Creek

This project involves .75 miles of stream channel from the school site downstream to the City Park. This proposal would emphasize the following enhancements.

- Improves public access and use through the acquisition of a connecting corridor and the constructed of a walking path/trail
- Preserves and restores riparian corridor habitat
- Reduces, eradicates or manages invasive species
- Restores and stabilize the stream by implementing natural channel design
- Places the project under a permanent conservation easement.

We recommend the following components as described below.

1. Construct 2 stable rock chutes that will route storm water flows from school parking lot to stream. This will reduce the amount of fine sediment in the stream during storm events and eliminate the existing gully erosion.
2. Remove the existing low-head dam from the stream channel and construct 3 riffle grade controls (figure 1). This will eliminate the scour pool and safety hazard associated with the concrete structure. It will also allow for a more natural bed-load transport regime and improve instream aquatic habitat by providing aeration of the water column.
3. Manage the invasive vegetation (e.g. grapevine, ivy, honeysuckle) in a ~100 foot wide corridor for the entire 4000 linear feet of corridor (approximately 9 acres).
4. Construct a mulched walking path/trail through the existing park for public access.



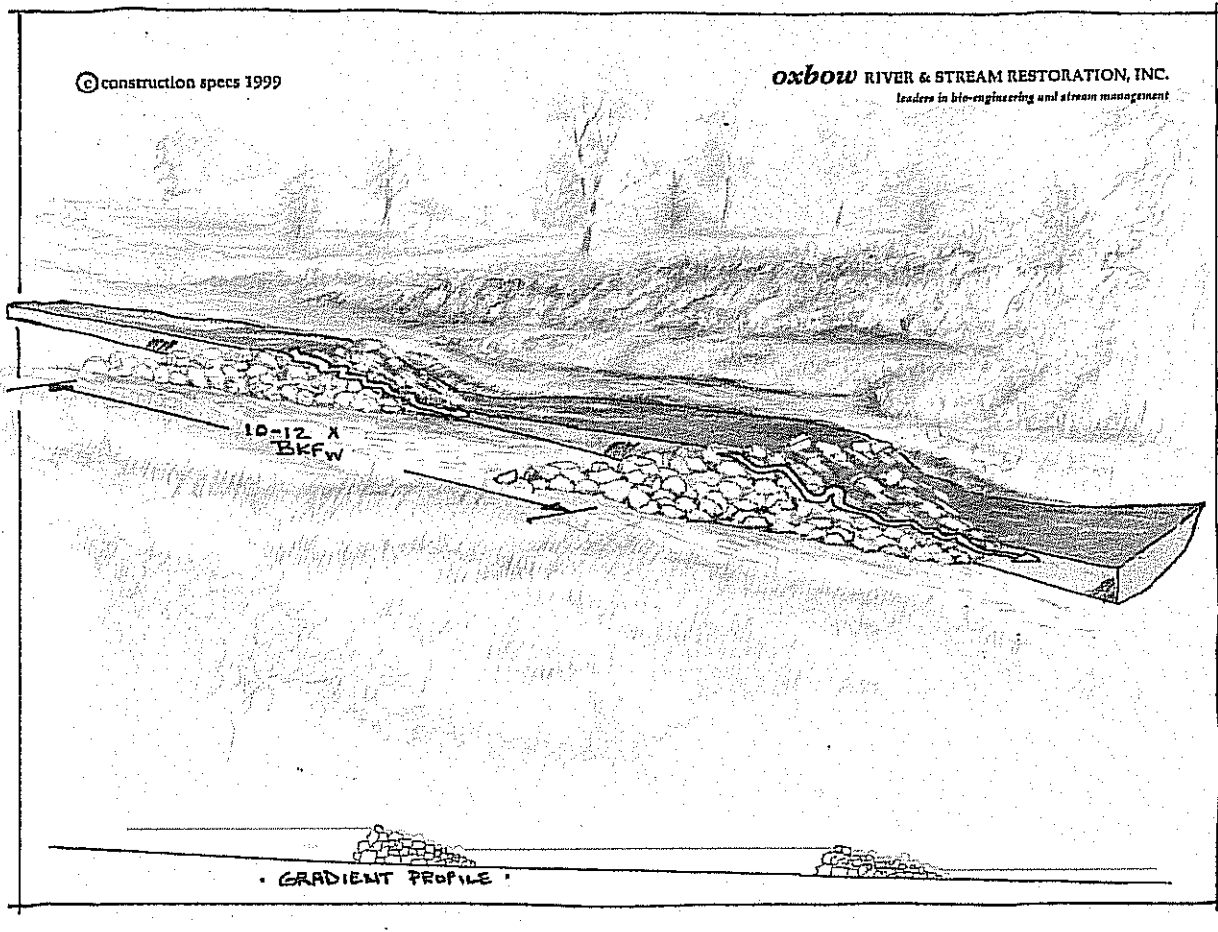


Figure 1. Example of constructed Riffle grade control feature.



Forest Park Riparian Corridor Photographs



Trash buildup in dam pool



Existing dam site (next to school)



Riparian Corridor (mid-winter)



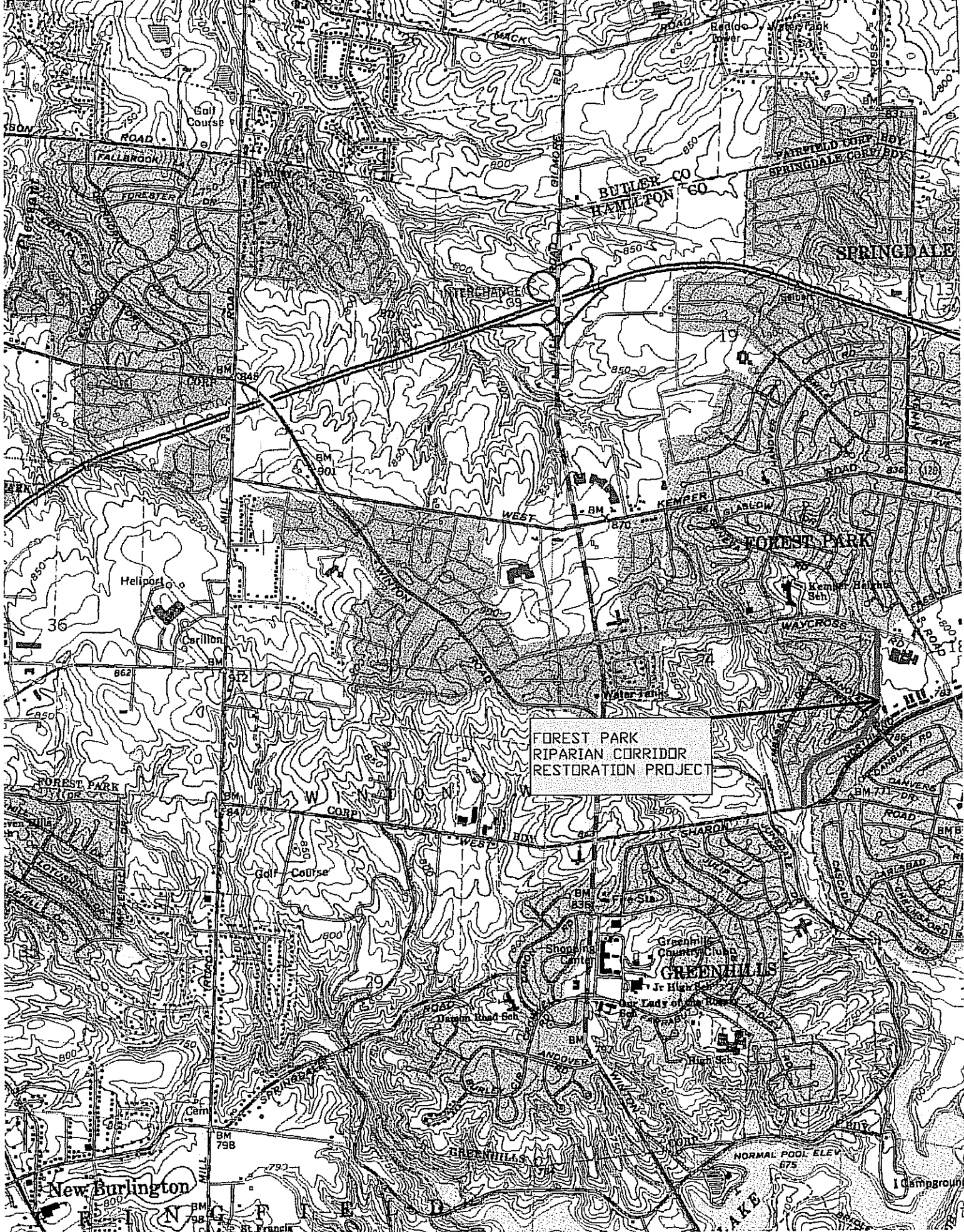
Culvert under Sharon Road

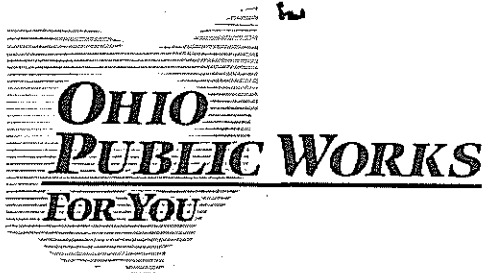


Steep slope failure at the corner of Hanover and Evangeline



Evidence of previous Forest Park maintenance efforts (Rip Rap)





THE OHIO PUBLIC WORKS COMMISSION

65 East State Street, Suite 312, Columbus, Ohio 43215-4213

COMMISSIONERS

Chair -
Steven E. Stivers

John L. Frola, Jr
Blair A. Hillyer
James F. Mears
William J. Schottenstein
James W. Sumner
Joseph B. Williams

DIRECTOR

W. Laurence Bicking

05/01/2003

Ray Hodges
City Manager
The City of Forest Park
1201 W. Kemper Road,
Forest Park, OH 45240-

Subdivision Code : 061-27706

Dear Mr. Hodges,

Your request for financial assistance from the Ohio Public Works Commission has been approved for the project entitled **Riparian Corridor Restoration** in the amount of \$ **124,162**. This **Grant** has been assigned project number **CBBAD**. Please use this number when calling or writing our office.

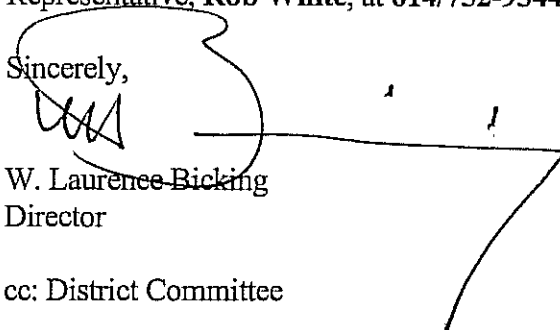
The enclosed Project Agreement defines **The City of Forest Park's** responsibilities in accepting this financial assistance. Please review it carefully to ensure that the project has been accurately described and defined throughout the agreement's appendices. If any errors are found, or if any information needs to be updated, please contact us immediately.

Please execute the Project Agreement by signing both copies. **You must return one fully executed copy to the Commission within forty-five (45) days**, and retain the other for your files. This project may not proceed with acquisition, construction or purchase of materials, **until you have completed the following**; 1) returned one executed copy of the agreement to OPWC, 2) prepared and sent to OPWC a "Request to Proceed" 3) received approval from OPWC on your "Request to Proceed"

The Project Manager and Chief Financial Officer named in the agreement will each receive a separate mailing that explains their respective duties regarding project implementation. The Project Manager has also received a reference copy of the enclosed Project Agreement for their records. All of our project management related documents for the Clean Ohio Program are located at our Web page at www.pwc.state.oh.us. Once there, click on the link titled "**Clean Ohio Program**".

If you have any questions about any aspect of the program, please do not hesitate to call your Program Representative, **Rob White**, at 614/752-9344.

Sincerely,


W. Laurence Bicking
Director

cc: District Committee

614-466-0880
www.pwc.state.oh.us